

REMARKS

Claims 1-20 are now pending in the application. Claims 1-4, 7-9, 11-18 are amended. Claims 19 and 20 are new. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

REJECTION UNDER 35 U.S.C. § 102

Claims 1-4, 8-18 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Laor (U.S. Pat. No.6,002,331). This rejection is respectfully traversed.

Claim 1 recites a plug error insertion prevention system comprising a plug and a plug insertion section. The plug includes an electric power generation unit that generates electric power to drive the plug. The electric power is generated by an electromagnetic wave from the plug insertion section. The plug also includes a response information receiving unit that receives response information from the plug insertion section and a plug state notification unit that notifies a system user of a plug state relative to a desired plug insertion socket based on the response information received by the response information receiving unit. The plug insertion section includes a response information generation unit that generates response information to the plug based on a comparison result of an identification information comparing unit. The plug insertion section also includes a response information transmission unit that sends the response information generated by the response information generation unit to the plug. Laor fails to teach the plug error insertion prevention system recited by claim 1.

In Laor, a communications transducer 140 communicates information to an adapter transducer 138. Laor, Col. 4, Lines 31-48. Laor is silent, however, as to the adapter transducer 138 communicating information back to the communications transducer 140. Laor, Col. 4, Lines 31-48. In Laor, information passes from the communications transducer 140 to the adapter transducer 138 and used by a controller. Laor, Col. 4, Lines 31-48, but information is not passed back from the adapter transducer 138 to the communications transducer 140. Laor, Col. 4, Lines 31-48. Thus, Laor fails to teach a plug with a response information receiving unit that receives response information from a plug insertion section. Laor also fails to teach a plug insertion section that includes a response information generation unit that generates response information to the plug based on a comparison result of an identification information comparing unit and a response information transmission unit that sends the response information generated by the response information generation unit to the plug. Laor also fails to teach a plug that includes a plug state notification unit that notifies a system user of a plug state relative to a desired plug insertion socket based on the response information received by the response information receiving unit.

For these reasons, Laor fails to teach each and every element recited by claim 1. With regard to claims 2-4, 8-12, and 16, Applicant notes that each either directly or indirectly depends from claim 1, which defines over Laor as discussed above. Therefore, claims 2-4, 8-12, and 16 also define over Laor. Reconsideration and withdrawal of the rejections are respectfully requested.

Claim 13 recites a plug error insertion prevention system comprising a plug and a plug insertion section. The plug includes an electric power generation unit that

generates electric power to drive the plug. The electric power is generated by an electromagnetic wave from the plug insertion section. The plug also includes a response information receiving unit that receives response information from the plug insertion section and a plug state notification unit that notifies a system user of a plug state relative to the plug insertion socket based on the response information. Similar limitations are recited by claim 1.

For at least the above reasons, Laor fails to teach each and every element recited by claim 13. With regard to claim 15, Applicant notes that claim 15 depends from claim 13, which defines over Laor as discussed above. Therefore, claim 15 also defines over Laor. Reconsideration and withdrawal of the rejections are respectfully requested.

Claim 14 recites a plug error insertion prevention system comprising a plug and a plug insertion section. The plug insertion section includes a power supply transmission unit that transmits an electromagnetic wave for supplying electric power to the plug. The plug insertion section also includes a response information generation unit that generates response information to the plug based on a comparison result of the identification information comparing unit and a response information transmission unit that sends the response information generated by the response information generation unit to the plug. Similar limitations are recited by claim 1.

For at least the above reasons, Laor fails to teach each and every element recited by claim 14. With regard to claim 17, Applicant notes that claim 17 depends from claim 14, which defines over Laor as discussed above. Therefore, claim 17 also

defines over Laor. Reconsideration and withdrawal of the rejections are respectfully requested.

Claim 18 recites a plug error insertion prevention system comprising a plug and a plug insertion section. The plug includes an electric power generation unit that generates electric power to drive the plug. The electric power is generated by an electromagnetic wave from the plug insertion section. The plug also includes a response information receiver receiving response information from the plug insertion section and a plug state messenger notifying a system user of the plug suitability relative to the desired socket based on the response information. The plug insertion section includes a response information generator generating response information based on a comparison result of an identification information comparator and a response information transmitter sending the response information to the plug. Similar limitations are recited by claim 1.

For at least the above reasons, Laor fails to teach each and every element recited by claim 18. Reconsideration and withdrawal of the rejections are respectfully requested.

REJECTION UNDER 35 U.S.C. § 103

Claims 5-7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Laor (U.S. Pat. No. 6,002,331) in view of Fincher, et al. (U.S. Pat. No. 5,847,557). This rejection is respectfully traversed.

Claim 5-7 depend from claim 1, which defines over the prior art as discussed above. Therefore, claims 5-7 also define over the prior art. Reconsideration and withdrawal of the rejection are respectfully requested.

NEW CLAIMS

Claim 19 recites a plug error insertion prevention system that prevents a plug intended for use with a specified plug insertion socket of a plug insertion section from being inserted into an incorrect plug insertion socket of the plug insertion section. The system comprises the plug and the plug insertion section. The plug includes an electric power generation unit that generates electric power to drive the plug. The electric power is generated by an electromagnetic wave from the plug insertion section. The plug insertion section includes a power supply transmission unit that transmits the electromagnetic wave to the plug. The prior art fails to teach or suggest the plug error insertion prevention system recited by claim 19.

Claim 20 recites a plug for a plug error insertion prevention system that prevents a plug intended for use with a specified plug insertion socket of a plug insertion section from being inserted into an incorrect plug insertion socket of the plug insertion section. The plug includes an electric power generation unit that generates electric power to drive the plug. The electric power is generated by an electromagnetic wave from a power supply transmission unit of the plug insertion section that transmits the electromagnetic wave to the plug. The prior art fails to teach or suggest the plug recited by claim 20.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: Feb 23, 2007

By: 

G. Gregory Schivley
Reg. No. 27,382
Bryant E. Wade
Reg. No. 40,344

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

[GGS/BEW/MPD/cn]